

ABSTRACT

Method and device for the uniform bonding of fibre nonwoven

A discontinuous nonwoven formed by a carder or other nonwovens formed from filaments have a higher strength in the longitudinal direction than in the transverse direction on account of the longitudinally oriented lengths of fibres after the hydrodynamic needle punching, for example. This situation can be improved if the pre-bonded nonwoven undergoes a reorientation of the fibres, for example, during a lateral stretching treatment. The fibres already intertwined in the nonwoven are at least partially reoriented, for example, in the transverse direction. In this new position another hydrodynamic bonding treatment can then take place in order to fix this new position. In this way, the nonwoven is generally stronger than would be possible without this reorientation of the fibres.